
Earth-mover tyres and rims —

**Part 3:
Rims**

*Pneumatiques et jantes pour engins de terrassement —
Partie 3: Jantes*





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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC TC 31, *Tyres, rims and valves*, Subcommittee SC 6, *Off-the-road tyres and rims*.

This fifth edition cancels and replaces the fourth edition (ISO 4250-3:2011), which has been technically revised.

The main changes compared to the previous edition are as follows:

- in [Table 1](#), new codes were added and obsolete codes were removed;
- in [Table 2](#), CR rim width codes were added;
- [Table 3](#) and [Figure 3](#) were added;
- in [Table A.1](#), new sizes were added and obsolete sizes were removed.

A list of all parts in the ISO 4250 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

ISO 4250 consists of three parts (ISO 4250-1, ISO 4250-2 and this document, i.e. ISO 4250-3) that lay down the technical elements relating to designation and dimensions of tyres and rims for earth-moving machinery. It also provides load tables for these tyres.

Earth-mover tyres and rims —

Part 3: Rims

1 Scope

This document sets out the designation, contours and dimensions for rims for narrow- and wide-base off-road tyres primarily intended for earth-moving machinery.

All dimensions in this document are given in millimetres and are applicable to the side of the rim which is in contact with the tyre.

Tyre designations and dimensions, tyre classifications and nomenclature are given in ISO 4250-1, ISO 10571 and ISO 13442.

[Annex A](#) gives details on sealing ring grooves and O-rings for earth-mover rims.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3911, *Wheels and rims for pneumatic tyres — Vocabulary, designation and marking*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 3911 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Rim identification

4.1 Codes shall be used to identify:

- a) specified rim diameter, D (see [Table 8](#));
- b) nominal width between flanges;
- c) nominal flange height or rim profile designations.

4.2 The rim marking shall consist of codes for:

- a) specified rim diameter, D ;
- b) nominal width between flanges.

The markings shall be on the weather side of the rim and visible when the tyre is mounted on the rim.